SEQUENCE LISTING

<110> LEDERMAN, et al. Dr., Seth

<120> ISOLATED FRAGMENTS OF p62 NUCLEOPORIN AND USES THEREOF

<130> Columbia University Sequence Listing

<140>
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<160> 2

<170> PatentIn Ver. 2.1

<210> 1
<211> 393
<212> PRT
<213> Saccharomyces cerevisiae

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Met Ser Gly Phe Asn Phe Gly Gly Thr Gly Ala Pro Thr Gly Gly Phe
  1               5                  10                  15

Thr Phe Gly Thr Ala Lys Thr Ala Thr Thr Thr Pro Ala Thr Gly Phe
             20                  25                  30

Ser Phe Ser Thr Ser Gly Thr Gly Gly Phe Asn Phe Gly Ala Pro Phe
         35                  40                  45

Gln Pro Ala Thr Ser Thr Pro Ser Thr Gly Leu Phe Ser Leu Ala Thr
     50                  55                  60

Gln Thr Pro Ala Thr Gln Thr Thr Gly Phe Thr Phe Gly Thr Ala Thr
 65                  70                  75                  80

Leu Ala Ser Gly Gly Thr Gly Phe Ser Leu Gly Ile Gly Ala Ser Lys
                85                  90                  95

Leu Asn Leu Ser Asn Thr Ala Ala Thr Pro Ala Met Ala Asn Pro Ser
            100                 105                 110

Gly Phe Gly Leu Gly Ser Ser Asn Leu Thr Asn Ala Ile Ser Ser Thr
        115                 120                 125

Val Thr Ser Ser Gln Gly Thr Ala Pro Thr Gly Phe Val Phe Gly Pro
    130                 135                 140
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Ser Thr Thr Ser Val Ala Pro Ala Thr Thr Ser Gly Gly Phe Ser Phe
145                 150                 155                 160

Thr Gly Gly Ser Thr Ala Gln Pro Ser Gly Phe Asn Ile Gly Ser Ala
                165                 170                 175

Gly Asn Ser Ala Gln Pro Thr Ala Pro Ala Thr Leu Pro Phe Thr Pro
            180                 185                 190

Ala Thr Pro Ala Ala Thr Thr Ala Gly Ala Thr Gln Pro Ala Ala Pro
        195                 200                 205

Thr Pro Thr Ala Thr Ile Thr Ser Thr Gly Pro Ser Leu Phe Ala Ser
    210                 215                 220

Ile Ala Thr Ala Pro Thr Ser Ser Ala Thr Thr Gly Leu Ser Leu Cys
225                 230                 235                 240

Thr Pro Val Thr Thr Ala Gly Ala Pro Thr Ala Gly Thr Gln Gly Phe
                245                 250                 255

Ser Leu Lys Ala Pro Gly Ala Ala Ser Gly Thr Ser Thr Thr Thr Ser
            260                 265                 270

Thr Ala Ala Thr Ala Thr Ala Thr Thr Thr Thr Ser Ser Ser Thr Thr
        275                 280                 285

Gly Phe Ala Leu Asn Leu Lys Pro Leu Ala Pro Ala Gly Ile Pro Ser
    290                 295                 300

Asn Thr Ala Ala Ala Val Thr Ala Pro Pro Gly Pro Gly Ala Ala Ala
305                 310                 315                 320

Gly Ala Ala Ala Ser Ser Ala Met Thr Tyr Ala Gln Leu Glu Ser Leu
                325                 330                 335

Ile Asn Lys Trp Ser Leu Glu Leu Glu Asp Gln Glu Arg His Phe Leu
            340                 345                 350

Gln Gln Ala Thr Gln Val Asn Ala Trp Asp Arg Thr Leu Ile Glu Asn
        355                 360                 365

Gly Glu Lys Ile Thr Ser Leu His Arg Glu Val Glu Lys Val Lys Leu
    370                 375                 380

Asp Gln Lys Arg Leu Asp Gln Glu Leu
385                 390
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<213> Saccharomyces cerevisiae

<400> 2

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Leu Gln Gln Ala Thr Gln Val Asn Ala Trp Asp Arg Thr Leu Ile Glu
             20                  25                  30

Asn Gly Glu Lys Ile Thr Ser Leu His Arg Glu Val Glu Lys Val Lys
         35                  40                  45

Leu Asp Gln Lys Arg Leu Asp Gln Glu Leu Asp Phe Ile Leu Ser Gln
     50                  55                  60

Gln Lys Glu Leu Glu Asp Leu Leu Ser Pro Leu Glu Glu Leu Val Lys
 65                  70                  75                  80

Glu Gln Arg Ala Thr Ile Tyr Leu Gln His Ala Asp Glu Glu Arg Gln
                 85                  90                  95

Lys Thr Tyr Lys Leu Ala Glu Asn Ile Asp Ala Gln Leu Lys Arg Met
            100                 105                 110

Ala Gln Asp Leu Lys Asp Ile Ile Glu His Leu Asn Thr Ser Gly Ala
        115                 120                 125

Pro Ala Asp Thr Ser Asp Pro Leu Gln Gln Ile Cys Lys Ile Leu Asn
    130                 135                 140

Ala His Met Asp Ser Leu Gln Trp Ile Asp Gln Asn Ser Ala Leu Leu
145                 150                 155                 160

Gln Arg Lys Val Glu Glu Val Thr Lys Val Cys Val Gly Arg Arg Lys
                165                 170                 175

Glu Gln Glu Arg Ser Phe Arg Ile Thr Phe Asp
            180                 185
```